

<p>AMR</p> <p>200:19</p>		<p>1281. P. Csosha, "Analysis of frames with movable joints" (in English), <i>Field. Mech. Univ. Budapest (Műegyetemi Köz.)</i>, 1978, no. 2, pp. 22-30.</p> <p>The method presented is a modification of the Hardy Cross method of analysis of frames and gives a better convergence, especially when the beams are rigid in comparison to the columns. The Cross method has two groups of partial deformations, pure rotation and pure translation. The author adds a third group, pure distortion. Using this the author considers a panel consisting of one horizontal beam and the adjoining vertical columns. The deformation of the panel is characterized by the horizontal displacement of the two adjoining stories with respect to the beam considered, and by the rotation of the joints of the beam, which have to rotate through the same angle ϕ. The three conditions—necessary to calculate the two displacements and the angle ϕ are—that the sum of the horizontal forces in each adjoining set of columns is zero, and that the sum of the resulting moments in the joints of the horizontal beam is zero. Pure distortion is then applied to one after the other of the panels into which the whole frame can be decomposed.</p> <p>J. J. Koch, Holland</p>	<p>Structures</p> <p>30</p>
<p>ASD-3LA METALLURGICAL LITERATURE CLASSIFICATION</p>		<p>FROM SOURCE</p>	
<p>100000 #1</p>		<p>100000 #1</p>	
<p>100000 #1</p>		<p>100000 #1</p>	

CSONKA, P.

Modification of Barta's iterative process for determining the critical pressure force; excerpts from an article. p. 363.
(KOZLEMENYEI, Vol. 21, no. 1/4, 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

CSONKA, P.

Numerical method for calculating torsional stress; excerpts from an article.

Tr. from the French. p. 365.

(KOZLEMEENYI, Vol. 21, no. 1/4, 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

CHONKA. P. [Csonka, P.] (Budapesht).

Rapid method for designing many-storied frame constructions [in Ukrainian with summaries in Russian and English]. Prykl. mekh.
4 no.1:47-54 '58. (MIRA 11:4)

1. Budapeshts'kiy tekhnichnyi universitet inzheneriv budivnitstva i transportu.

(Framing (Building))

3

4940. Csontos, P., Stiffness characteristics of rigid Warren
gliders, *Acta Techn. Hung. Budapest* 20, 1/2, 103-118, 1958.

Paper presents engineering formulas for uncoupled average
rigidities of uniform, rigid-jointed Warren trusses under axial load,
pure bending in plane of truss, pure bending out of plane, and pure
torsion. Problems are closely related to secondary stress analy-
sis of trusses and three-dimensional frame analysis, which now
are well understood by engineers. End effects and warping re-
straints are not considered. Paper is one of a series by author in
which equivalent rigidities of various forms of uniform, rigid-
jointed, parallel-chord trusses are calculated.

DA
1/1

26

J. E. Goldberg, USA

Gold

CSONKA, P.

4941. Csonka, P. Stiffness characteristics of Vierendeel girders with parallel chords, *Acta Techn. Hung. Budapest* 20, 3/4, 231-260, 1938.

Paper presents engineering formulas for uncoupled average rigidities of uniform Vierendeel girders under axial load, pure bending in plane of girder, pure bending out of plane, and pure torsion without internal or external warping restraint. Joints are treated as rigid, but dimensions of joints are taken into account only in the first three cases. End effects are not considered and, therefore, formulas may be valid only for regions remote from ends.

DC
Y
Author asserts that formulas have application in analysis of structures in which Vierendeel girder forms an element, since formulas permit replacement of girder by equivalent bar.

J. B. Goldberg, USA

3

CSONKA, P.

Substitution method for the approximate analysis of stability problems of plane framed trusses; excerpts from an article. p. 23.

Magyar Tudományos Akademia. Muszaki Tudományok Osztálya. KOZLEMENYEL.
Budapest, Hungary. Vol. 23, no. 1/2, 1958.

Monthly list of East European Accessions (EEAI) LC, vol. 8, no. 2, July, 1959.

Uncl.

CSONKA, P.

Pure Bending of the multiple-latticed parallel-flanged trusses; excerpts from an article. p. 27.

Magyar Tudomanyos Akademia. Muszaki Tudomanyok Osatalya. KOSLEMEYEL.
Budapest, Hungary. Vol. 23, no. 1/2, 1958.

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CSONKA, P.

Stiffness Characteristics of strapped girders; excerpts from an article. p. 33.

Magyar Tudományos Akademia. Muszaki Tudományok Osztálya. KÖSLÉNYEL.
Budapest, Hungary. Vol. 23, no. 1/2, 1958

Monthly list of East European Accessions (EEAI) LC, vol. 8, no. 2, July, 1959.

Uncl.

CSONKA, P.

Rigidity characteristics of lattice girder beams. p.1.

MAGYAR TUDOMANYOS AKADEMIA. MUSZAKI TUDOMANYOK OSZTALYA. KOZLEMENYEI.
Budapest, Hungary. Vol. 24, no. 1/4, 1959.

Monthly List of East European Accessions. (EEAI) LC Vol. 9, no. 2,
Feb. 1960 Uncl.

CSONKA, P.

Stress bend of staircase steps identically loaded, every step supported. p.43.

MAGYAR TUDOMANYOS AKADEMIA. MUSZAKI TUDOMANYOK OSZTALYA. KOSLEMENYEI.
Budapest, Hungary. Vol. 24, no. 1/4, 1959.

Monthly List of East European Accessions. (EEAI) LC Vol. 9, no. 2,
Feb. 1960 Uncl.

CSONKA, P.

Twisting a square tube held at its two ends. p. 61.

MAGYAR TUDOMANYOS AKADEMIA. MUSZAKI TUDOMANYOK OSZTALYA. KOSLEMENYEI.
Budapest, Hungary. Vol. 24, no. 1/4, 1959.

Monthly List of East European Accessions. (EEAI) LC Vol. 9, no. 2,
Feb. 1960 Uncl.

CSONKA, P.

Generalization of Macaulay's method.p.65.

MAGYAR TUDOMANYOS AKADEMIA. MUSZAKI TUDOMANYOK OSZTALYA. KOSLEMENYEI.
Budapest, Hungary. Vol. 24, no. 1/4, 1959.

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CSCNKA, P.

Torsion of a square-shaped tube clasped in at both ends. In English. p.379.

ACTA TECHNICA. Budapest, Hungary. Vol. 24, no. 3/4, 1959.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Unclassified

CSONKA, P.

Bending forces in block steps of supported stairs loaded along a single stair groove.
In English. p. 321.

ACTA TECHNICA. (Magyar Tudományos Akademia) Budapest, Hungary, Vol. 25, no. 3/4,
1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959,
Uncl.

CSONKA, Pal, a muszaki tudomanyok doktora

Bending load of the steps of supported stairs alongside of a single-step groove. Muszaki kozl MTA 25 no.1/4:83-84 '60. (EEAI 9:7)

1. Az MTA Epites- es Kozlekedestudomanyi Munkakozossege,
Budapest.
(Staircases) (Bending) (Load (Mechanics))

CSONKA, Pal, a muszaki tudomanyok doktora

Geometric justification of J.Pelikan's developmental thesis.
Muszaki kozl MTA 25 no.1/4:85-87 '60. (EEAI 9:7)

1. Az MTA Epites- es Kozlekedestudomanyi Munkakozossege,
Budapest.
(Roofs, Shell)

CSONKA, Pal, a muszaki tudományok doktora.

Designing method for the determination of constants occurring in
the stress formula of excentric stress. Muszaki kozl MTA 25 no.1/4:
141-143 '60. (EEAI 9:7)

1. Az MTA Építés- és Közlekedéstudományi Munkaközössége, Budapest.
(Strains and stresses)

CSONKA, Pal, a muszaki tudomanyok doktora

The life and works of Janos Czonka. Muszaki kozl MTA 25 no,1/4:
345-385 '60. (EEAI 9:7)

1. Az MTA Epites- es Kozlekedestudomanyi Munkakozossege, Budapest
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(Hungary--Gas and oil engines)

CSONKA, Pal, a muszaki tudományok doktora

Extension of the field of application of Macaulay's process. Muszaki
Közl MTA 27 no.3/4:217-219 '60. (EERI 10:5)

1. A Magyar Tudományos Akadémia Építés- és Közlekedéstudományi
Munkaközössége, Budapest.
(Girders)

GSONKA, Pal.

On the tension function of nonrigid cylindrical shells. Muszaki kozl
MTA 27 no.3/4:221-225 '60. (EEAI 10:5)
(Elasticity)
(Strains and stresses)
(Structural shells)

CSONKA, P., D.Eng.Sc.

On the stress-function of the circular cylindric shell. Acta techn
Hung 29 no.1/2:87-98 '60. (EEAI 10:4)

1. Working Community for Structural and Transport Engineering of
the Hungarian Academy of Sciences, Budapest.
(Structural shells) (Elasticity) (Strains and stresses)
(Cylindrical shells)

CSONKA, P., D.Eng.Sc.

The extension of the application range of Macaulay's method. Acta
techn Hung 31 no.1/2:3-12 '60. (EBAI 10:3)

1. Working Community for Structural and Transport Engineering of
the Hungarian Academy of Sciences, Budapest.
(Girders) (Differential equations) (Laplace transformation)

CSONKA, P., D.Eng.Sc.

Calculation of paraboloid shells of revolution on a base comprising
a regular triangle of hexagon by the relaxation method. Acta techn
(EEAI 10:4)
Hung 31 no.3/4:343-357 '60.

1. Working Community of Structural and Transport Engineering of the
Hungarian Academy of Sciences, Budapest.
(Shells, Structural) (Strains and stresses)
(Relaxation methods (Mathematics))

CSONKA, Pal, dr., techn., a muszaki tudomanyok doktora

A shell of the form of a paraboloid of revolution over regular trigon ground plan. Muszaki kozl MTA 19 no.1/4:43-47 '61.

1. Az MTA Erites- es Kozlekedestudomanyi Munkakozossege, Budapest.

CSONKA, Pal, prof., dr., techn., a muszaki tudomanyok doktora

Control equations for the stress computations of cap shells. Muszaki
közl MTA 19 no.1/4:49-50 '61.

1. Az MTA Építés- és Közlekedéstudományi Munkaközössége, Budapest.

CSONKA, Pal, dr., a muszaki tudományok doktora

Deflection of bar elastically clamped at its full longitude. Muszaki
közl MTA 19 no.1/4:85-88 '61.

1. MTA Építés- és Közlekedéstudományi Munkaközössége, Budapest.

CSONKA, Pal, dr., techn., a muszaki tudomanyok doktora

On the structural cooperation of adjacent floor elements. Muszaki
kozl MTA 19 no.1/4:155-170 '61.

1. A Magyar Tudomanyos Akademia Epitestudomanyi Munkakozossege, Buda-
pest.

GSONKA, Pal, a muszaki tudományok doktora (Budapest)

Calculation by relaxation of rotation paraboloid-shaped shells with regular triangular and hexagonal ground plan; excerpts from a study. Muszaki kozl MTA 28 no.1/4:49-53 '61. (EEAI 10:9)

1. A Magyar Tudományos Akademia Epites- es Kozlekedestudományi Munkaközössége, Budapest.

(Relaxation methods(Mathematics))	(Paraboloid)
(Structural shells)	(Triangle) (Hexagon)

CSONKA, Pal, a muszaki tudomanyok doktora (Budapest)

Apselike shells shaped according to rotation paraboloid; excerpts
from a study. Muszaki kozl MTA 28 no.1/4:55-59 '61.

(EEAI 10:9)

1. A Magyar Tudomanyos Akademia Epites- es Kozlekedestudomanyi
Munkakozossege, Budapest.

(Paraboloid) (Structural shells)"

CSONKA, Pa., a muszaki tudományok doktora (Budapest)

New method for calculating framework trusses equipped with rails of low-rate rigidity. Muszaki kozl MTA 28 no.1/4:123-131 '61.

(KEAI 10:9)

1. A Magyar Tudományos Akadémia Építés- és Kozlekedéstudományi Munkaközössége, Budapest.

(Trusses) (Rigidity) (Structural frames)

CSONKA, Pal, a muszaki tudományok doktora (Budapest)

Calculation of the plate skeleton self-carrying railroad car bodies.
Muszaki közl MTA 28 no.1/4:299-300 '61. (KEAI 10:9)

1. A Magyar Tudományos Akadémia Egitesttudományi Munkaközössége, Budapest.

(Railroads)

CSONKA, P., D.Eng.Sc.

Apse-like formed paraboloid shells of revolution. Acta techn Hung
32 no.1/2:39-52 '61. (EEAI 10:5)

1. Working Community of Structural Engineering of the Hungarian
Academy of Sciences, Budapest.
(Structural shells)

CSONKA, P., D. eng.sc.

Buckling of bars elastically built-in along their entire length.
Acta techn Hung 32 no.3/4:423-427 '61. (KEAI 10:6)

1. Working Community of Structural Engineering of Structural
Engineering of the Hungarian Academy of Sciences.
(Buckling (Mechanics)) (Rods) (Elasticity)

CSONKA, P., D.eng.sc.

Analysis of the wind load effect on rigid jointed multi-storied building frames. Acta techn Hung 34 no.1/2:135-150 '61.

1. Working Community of Building Sciences, Hungarian Academy of Sciences, Budapest.

CSONKA, Pal, a muszaki tudományok doktora, tudományos főmunkatárs -

The 1961 Krynica conference. Magyar tud 68 no.12:769 D '61.

CSONKA, Pal, a muszaki tudomanyok doktora

Calculation of tower house skeleton in connection with wind pressure. Muszaki kozl MTA 30 no.1/4:85-88 '62.

1. Magyar Tudomanyos Akademia Epitestudomanyi Munkakozossege, Budapest.

GSONKA, Pal, a muszaki tudomanyok doktora

On the rim hoop of membrane shells. Muszaki kozl MTA 30
no.1/4:89-91 '62.

1. Magyar Tudomanyos Akademia Epitestudomanyi Munkakozossege,
Budapest.

CSONKA, Pal, a muszaki tudományok doktora

Constant or continuously varying wall-thick elliptical paraboloid shell above an ellipse ground plan. Muszaki kozl MTA 30 no.1/4: 93-96 '62.

1. Magyar Tudományos Akademia Epitestudomanyi Munkakozossege, Budapest.

GSONKA, Pal, a muszaki tudományok doktora

Some solutions for torsional problems. Muszaki kozl MTA 30
no.1/4:121-126 '62.

1. Magyar Tudományos Akadémia Egitesttudományi Munkaközössége,
Budapest.

CSONKA, P., D.eng.sc.

Membrane shells with perfectly free edges. Acta techn Hung 11
no.1/2:151-167 '62.

1. Working Community of Building Sciences of the Hungarian
Academy of Sciences, Budapest.

CSONKA, Pal (Debrecen)

Can one pay two fees? Ujit lap 14 no.19:31 JO O '62.

CSONKA, Pal., a muszaki tudományok doktora, Kossuth-díjas

Approximate method for computing frame girders with parallel flanges.
Magy ép ipar 10 no.5:221-225 '61.

~~CSONKA, Pal, dr.techn., Kossuth-dijas~~

On the static role of self-supporting partition walls. Magyar ipar
10 no.7:258 '61.

CSONKA, Pal, Dr.tech.,Kossuth-dijas

←
Dynamical conduct of building floors loaded by wind forces.
Magy ep ipar 11 no.2:66-68 '62.

CSONKA, Pal. Dr.techn.

Air holes in wall buttresses. Magy ep ipar ll no.2:93-94 '62.

CSONKA, P., prof. (Budapest); SAWCZUK, A. [translator]

Two specific types of coatings laid like membranes. Inz i bud
19 no.1:15-18 Ja '62.

CSONKA, Pal, dr., okleveles építész-mérnök, a műszaki tudományok doktora,
egyetemi tanár

"Mechanics of engineering structures" by G.L.Rogers and M.L.Causey.
Reviewed by Pal Csonka. Melyépítéstud szemle 12 no.11:520
N '62.

1. Magyar Tudományos Akadémia Szilardságtani Kutatócsoport vezetője.

GELEJI, Sandor, akademikus; WINTER, Erno, akademikus; VADASZ, Elemer, akademikus; TARCZY-HORNOCH, Antal, akademikus; SZECHY, Karoly; CSONKA, Pal, a muszaki tudomanyok doktora; HEVESI, Gyula, akademikus.

An account of the work of the division of Technical Sciences of the Hungarian Academy of Sciences. Muszaki kozl MTA 31 no.1/4:13-43 '62.

1. Magyar Tudomanyos Akademia Muszaki Tudomanyok Osztalyanak titkara, es "A Magyar Tudomanyos Akademia Muszaki Tudomanyok Osztalyanak Kozlemenyei" szerkesztoje (for Geleji). 2. Magyar Tudomanyos Akademia levelezo tagja (for Szechy).. 3. Magyar Tudomanyos Akademia Muszaki Tudomanyok Osztalyanak elnoke (for Hevesi).

CSONKA, Pal, a muszaki tudomanyok doktora

Differently shaped membrane shells above regular triangle
ground plan. Muszaki kozl MTA 31 no. 1/4 1987-1988 462.

1. Magyar Tudomanyos Akademia Epitestudomanyi Munkakozos-
sege, Budapest.

CSONKA, Pal, dr.

"Building materials" by [Dr.] Laszlo Palotas. Vol.2: "Natural stones, binding materials, concrete, mortar, artificial stones, ceramic building materials, light building materials, light concrete, bitumen, plastic materials, glass, paint." Reviewed by Pal Csonka. Miskolczi MTA 31 no.1/4:461-462 '62.

GSONKA, Pal, Dr.techn.,Kossuth-dijas

Calculation of working load on dwelling house floors. Magyar
ipar 12 no.2:66-69 '63.

CSONKA, Pal, dr.

"Pipe scaffolds; theory and practice" by Th. Coppel, J.J.
Coulon. Reviewed by Pal Csonka. Melyepitestud szemle 13
no.9:421 S '63.

CSONKA, Pal, a muszaki tudományok doktora

Hyperboloid of revolution-shaped cooling tower with
shell cover of uniform strength. Muszaki kozl MTA 32
no.1/4:119-123 '63.

1. Magyar Tudományos Akademia Egitestudományi Munkaközössége,
Budapest.

CSONKA, Pal,dr.

"Building materials" by [Dr] Laszlo Palotas. Vol.2. Reviewed
by Pal Csonka. Muszaki kozl MTA 32 no.1/4:475-476 '63.

CSONKA, P., doctor of technical sciences

Hyperboloid shaped cooling tower with a mantle-wall of equal strength. Acta techn Hung 44 no.1/2:215-221 '63.

1. Working Community for Building Sciences of the Hungarian Academy of Sciences, Budapest.

CSONKA, P., doctor of technical sciences

Shell of translation constructed over a rectangular basis.
Acta techn Hung 44 no. 3/4:409-418 '63.

1. Working Community for Building Sciences of the Hungarian
Academy of Sciences.

CSONKA, P., dr.

"Theory, dimensioning and constructive deformation of steel
concrete constructions" by [Dr] T. Gyango, [Dr] I. Menyhard.
Reviewed by P.Csonka. Acta techn Hung 44 no.3/4:458-459 '63.

CSONKA, Pal, a muszaki tudomanyok doktora, tudomanyos fommunkatars

Data on shell structures. Magy tud 70 no.6/7:405-412 Je-Jl '63.

1. Magyar Tudomanyos Akademia Szilardsagtani Kutato Csoportja.

CSONKA, Pal, dr., okleveles építész-mérnök, a muszaki tudományok
doktora, címzetes muszaki egyetemi tanár

Report on the international conference on shell structures
held in Warsaw. Melyépítéstud szemle 14 no. 1: 35 Ja '64.

1. Magyar Tudományos Akadémia Szilardsagtani Kutatócsoport.

CSONKA, Pal, a muszaki tudományok doktora

Shell structure of translation surface above square ground plan. Muszaki közl MTA 33 no.1/4:201-204 *64

Rotary paraboloid-shaped shell with eccentrically placed round aperture. Ibid 243-259

Symmetrically and antisymmetrically loaded symmetric and antisymmetric shell structures. Ibid 261-269

1. Magyar Tudományos Akadémia Egitesttudományi Munkaközössége, Budapest.

CSONKA, Pal, a muszaki tudományok doktora

The internal edge beam of rotation paraboloid shells with a round skylight opening. Muszaki kozl MTA 34 no. 1/2: 1-5 '64.

Numerical method for the calculation of translational shells with a perfectly free edge section. Ibid.: 143-157.

A sectorial shell structure with sectors shaped according to a surface of the second order constructed over a polygonal ground plan. Ibid.: 179-185.

1. Architectural Working Group, Hungarian Academy of Sciences, Budapest.

CSONKA, Pal, a muszaki tudományok doktora

Shells which cannot be equilibrated by finite membrane forces.
Musz kozl MTA 34 no.3:311-318 '64.

1. Architectural Working Group of the Hungarian Academy of Sciences,
Budapest.

ACCESSION NR: AT4040370

H/2504/64/046/01-/0247/0260

AUTHOR: Csonka, P. (Chonka, P.) (Doctor of technical sciences)

TITLE: Shells which cannot be balanced by finite membrane forces

SOURCE: Academia scientiarum hungaricae. Acta technica, v. 46, no. 1-2, 1964, 247-260

TOPIC TAGS: shell, finite membrane forces, shell equilibrium, shell of translation, conoid shell, elliptic paraboloidal shell

ABSTRACT: This article deals with shells with certain special points at which equilibrium can be ensured by finite membrane forces only in cases of special loading. The following points of shells are investigated in detail from the standpoint of the possibility of ensuring equilibrium by finite membrane forces: corner points of shells whose edge arches are not designed to resist lateral forces, the edge points of shells of translation, and certain specially located internal points. The cases considered are elucidated by the following examples:

Card 1/2

ACCESSION NR: AT4040370

a calotte shell on an equilateral triangular base, an elliptic paraboloidal shell on a rectangular base, two shells of translation on rectangular bases, and two shells with certain interior points that cannot be balanced by finite membrane forces (a shell with straight ridge lines on a rectangular base and a conoid shell built on a rectangular base). Orig. art. has: 7 figures.

ASSOCIATION: Working Community for Construction Sciences, Hungarian Academy of Sciences, Budapest

SUBMITTED: 15Mar63

DATE ACQ: 09Jun64

ENCL: 00

SUB CODE: MA

NO REF SOV: 000

OTHER: 005

Card 2/2

CSONKA, P. Doctor of Technical Sciences

The boundary line of the stress surface of calotte shells.
Acta techn Hung 48 no. 1/2:203-209 '64.

1. Working Community for Building Sciences of the Hungarian
Academy of Sciences, Budapest.

CSONKA, P., doctor of technical sciences

On the internal edge beam of paraboloidal shells of revolution having a circular skylight opening. Acta techn Hung 49 no.1/2:219-231 '64.

1. Working Community for Building Sciences of the Hungarian Academy of Sciences, Budapest.

CSONKA, P., Doctor of Techn Sc.

Calculation of conoid shells having a parabolic generating curve. Acta techn Hung 49 no.3/4:463-473. '64.

1. Working Community for Building Sciences of the Hungarian Academy of Sciences, Budapest.

CSONKA, Pál, a muszaki tudományok doktora

Edge beam of the tension surface of membrane shell. Muszaki
kozl MTA 34 no.4:367-372 '65.

Shell curved in two directions above a rhombus-shaped ground
plan. Ibid.:373-380

1. Architectural Working Group of the Hungarian Academy of
Sciences, Budapest. Submitted April 30, 1963.

L 31347-66 EWI(d)/EWP(w)/EWP(v)/EWP(k) IJP(c) WF/EM

ACC NR: AT6021139

SOURCE CODE: HU/2504/65/050/000/0043/0052

AUTHOR: Gsonka, P. - Chonka, P. (Doctor of engineering sciences)

33
B+1

ORG: Working Group for Building Sciences, MTA, Budapest

TITLE: Cross vault shaped sectorial ⁷⁰shells with cantilever-like overhanging free boundary

SOURCE: Academia scientiarum hungaricae. Acta technica, v. 50, 1965, 43-52

TOPIC TAGS: mechanical stress, structural engineering

ABSTRACT: This paper deals with the statics of polygonal shells consisting of identically shaped sectorial elements. The contour surfaces of the elements are cylinders with horizontal generatrices, the basic projections of which are normal to the sides of the polygonal plan form. The single elements are supported on both sides by vertical arches, the cantilevered front edge, however, being free without support. The load system acting on the shell is uniformly distributed on each element and is constant along the generatrices. The considerations presented are based on the membrane theory with appropriate simplifications. The applications of the equations derived are explained by numerical examples. Orig. art. has: 4 figures and 21 formulas. [Orig. art. in

Eng.] [JPRS]

SUB CODE: 13 / SUBM DATE: 02Nov64

Cord 1/1

20

L 44610-66 EWP(w) EM

ACC NR: AT6033136

SOURCE CODE: HU/2504/66/053/03-/0445/0454

AUTHOR: Csonka, P.--Chonka, P. (Doctor of technical sciences)

ORG: Working Community for Building Sciences, Hungarian Academy of Sciences, Budapest

TITLE: Torsional buckling of straight-axis ²⁶bars with circular cross section _{B+1}

SOURCE: Academia scientiarum hungaricae. Acta technica, v. 53, no. 3-4, 1966, 445-454

TOPIC TAGS: buckling, plastic deformation

ABSTRACT: Both cases of buckling, i.e., where the bar was entirely in the elastic range immediately prior to buckling and where some portions of it had already plastic deformations at that period, were investigated and the critical value of the twisting was determined with the aid of simple equilibrium considerations. The method makes it unnecessary to derive a differential equation for the distorted axis line; a mere approximation suffices. If the bar was in an elastic state before buckling, the equilibrium remains unaffected by the degree of buckling, provided no plastic deformation occurs. Diagrams were presented to facilitate the utilization of the relations established. Orig. art. has: 7 figures and 22 formulas. [Orig. art. in Eng.] [JPRS: 36,645]

SUB CODE: 20 / SUBM DATE: 18Oct65 / OTH REF: 003

Card 1/1 blg

0920 0690

DEAK, Janos, dr.; CSONKA, Sandor, dr.

3 cases of bilharziasis. Orv. hetil. 104 no.39:1857-1858
29 S '63.

1. Marcali Jarasi Tanacs Korhaz, Belgyogyaszati Osztaly.
(SCHISTOSOMIASIS) (URINARY TRACT INFECTIONS)
(INTESTINAL DISEASES, PARASITIC)
(LIVER DISEASES, PARASITIC)
(TROPICAL MEDICINE)

CSONKA, Sandor, dr.

Another case of pernicious anemia in Diphyllbothrium latum infection in Hungary. Orv. hetil. 103 no.29:1367-1368 22 JI '62.

1. Marcali Jarasi Tanacs Korhaza, Belgyogyszati Oszatly.
(ANEMIA PERNICIOUS etiol) (DIPHYLLOBOTHRUM infect)

HUNGARY

DEAK, Janos, Dr, CSONKA, Sander, Dr; Hospital of the Council of Marcal Jaras, Medical Ward (Marcali Jarasi Tanacs Korhaz, Belgyogyszati Osztaly).

"Three Cases of Bilharziasis."

Budapest, Orvosi Hetilap, Vol 104, No 39, 29 Sep 63, pages 1857-1858.

Abstract: [Authors' Hungarian summary] The authors report three cases of bilharziasis in patients from the Middle East. The first patient showed signs of the combined urogenital and intestinal-hepatolienal form of the disease. The second patient had a manifest form of urogenital and a latent form of intestinal bilharziasis. The third patient developed signs of appendicitis where the causative role of *Schistosoma haematobium* was very probable. It is stressed that patients coming from areas where bilharziasis is endemic, the disease has to be considered in the diagnosis. If such patients show urogenital, intestinal or hepatolienal symptoms, testing for the egg can insure the correct diagnosis. 3 Western, 4 Hungarian references.

1/1

Carbon content determination in composts by dichromatic method based upon the measurement of oxygen consumption. Agrochem talajtan 12 no.4:631-642 D '63.

1. Local Industry Research Institute, Ministry of the Light Industry, Budapest.

CSONKI, Istvan

Description of the "Tavaszi" television receiving set.
Radiotechnika 11 no.7:207-210 J1 '61.

CSONKI, Istvan

Stabilized vertical synchronization. Radiotechnika 13
no.4:145-146 Ap '63.

CSOKI, Istvan

Let us automate our television sets! Radiotechnika 15 no.4:128-
129 Ap '65.

CSONT, Attila, dr.

Life-saving intraarterial transfusion. Magyar. noorv. lap
18 no.5:307-309 Sept 55.

1. Tolna megye Tanácsa Szekszardi Kórháza (Igazgató:
Erdelyi, János dr.) Szülő- és Nőbeteg osztálynak (Főorvos:
Tóth, Sándor dr.) közleménye.

(BLOOD TRANSFUSION

intra-arterial, life-saving, in shock with cardiac
& resp. standstill.)

(SHOCK, therapy

intra-arterial transfusion, life-saving, in shock
with cardiac & resp. standstill.)

CSONT, Lajos, dr.

Experience with preventive application of tetanus antitoxin.
Orv. hetil. 96 no.4:100-101 23 Jan 55.

1. A Forvarosi Kun-u. korhas (igazgato: Ersey Miklos dr.) eges-
serulesi osztalyanak (foorvos: Frank Gyorgy dr.) kozlemenye.
(TETANUS,
antitoxin, prev. application)

CSONTAI, Agoston.

Basilar tuberculous meningitis and miliary tuberculosis in infant
after BCG vaccination. Kiserletes orvostud. 7 no.6:671-674
Nov 55.

1. Budapesti Orvostudományi Egyetem II. sz. Kóronctani Intézete.
(TUBERCULOSIS, MENINGEAL, in infant & child)
basilar, with miliary tuberc., after BCG vacc.,
pathol. (Hun))
(TUBERCULOSIS, MILIARY, in infant & child
after BCG vacc. with basilar meningeal tuberculosis,
pathol. (Hun))
(BCG VACCINATION, compl.
meningeal basilar & miliary tuberc. in infant, pathol.
(Hun))

CSONTAI, Agoston; JELLINEK, Harry

The incidence of developmental anomalies of the heart and role of various factors in their development. Kiserletes Orvostud. 12 no.2:209-213 Ap '60.

1. Budapesti Orvostudományi Egyetem II. sz. Kóronautani Intézete.
(HEART DEFECTS CONGENITAL statis.)

CSONTAI, Agoston ✓
SURNAME, Given Names

3

Country: Hungary

Academic Degrees: Dr

Affiliation: No II Institute of Pathological Anatomy (II. szamu Korbonctani Intezet) of
the Budapest Medical University (Budapesti Orvostudomanyi Egyetem). Director:
professor Dr Laszlo HARANGHY.

Source: Budapest, Gyermekegygyaszat, No 6, Jun 61, pp 168-172

Data: "Data on the Problem of Oesophagotracheal Fistulae."

Co-author:

✓ HALMAI, Zsuzsa. (Affiliation same as above.)

GPO 981643

CSONTAI, AGOSTON (MD)

CSONTAI, Agoston V.
SURNAME, Given Names

Country: Hungary

Academic Degrees: MD

Affiliation: No I Pediatric Clinic (I. sz. Gyermekklinika) of the Budapest Medical University (Budapesti Orvostudományi Egyetem). Clinic director: professor Dr. Pál GÉGESEI KISS, member of Hungarian Academy of Sciences (Magyar Tudományos Akadémia).

Source: Budapest, Gyermekgyógyászat, Vol XII, No 7, Jul 61, pp 806-809

Data:

"Pyloric Obstruction Caused by Pyloric Polyp Containing Aberrant Pancreas Tissue."

Co-authors:

KUTYER, Iare, MD, [presumably] No I Pediatric Clinic of the Budapest Medical University.

CSONTAI, Agoston, MD, No II Institute of Pathological Anatomy (II. szamú Anatómiai Intézet) of the Budapest Medical University. Institute director: professor Dr. László BARANOSKY, corresponding member of the Hungarian Academy of Sciences.

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CSONTAI, Agoston; HALMAI, Zsuzsa

Data on the problem of esophagotracheal fistula. Gyermekgyógyászat 12
no.6:168-171 Je '61.

1. Budapesti Orvostudományi Egyetem II sz. Kóronctani Intézete
(Igazgató: dr. Haranghy László egy. tanár)

(ESOPHAGEAL FISTULA statist)
(TRACHEA diseases)
(FISTULA statist)

LUKACS, V. Ferenc, dr.; HITTNER, Imre, dr.; CSONTAI, Agoston, dr.

Obstruction of the pylorus caused by a polyp containing aberrant pancreatic tissue. Gyermekgyógyászat 12 no.7:206-209 J1 '61.

1. A Budapesti Orvostudományi Egyetem I sz. Gyermekklinika-jának (Igazgató: Gagesi Kiss Pál dr. akadémikus, egyetemi tanár) és a II sz. Kórház Intézet (Igazgató: Haranghy László dr. akad. levelező tag, egyet. tanár) közleménye.

(POLYPI in inf & child) (PYLORUS neopl)

PATAKY, Zs.; KARACSONYI, S.; CSONTAI, A.

Experimental operation on the sphincter of Oddi. Acta chir. Acad
Sci Hung 2 no.3:311-315 '61.

1. 1st Department of Surgery (Director: Prof. E.Hedri) and 2nd
Department of Anatomy (Director: Prof. L.Haranghy) of the University
Medical School, Budapest.

(BILE DUCTS surg.)

CSONTAI, Agoston, dr.; MAGASI, Peter, dr.

Formation of calculi in ureteral stumps. Magy. sebész. 15 no.3:199-204
Je '62.

1. Budapesti Orvostudományi Egyetem Urológiai Klinika (Igazgató: Babics
Antal dr. egyetemi tanár, akadémikus) közleménye.

(URINARY CALCULI case reports)
(URETERS surg)

LUKACS, F.V.; HITNER, I.; CSONTAY, A.

Data on the problem of gastric passages in suckling infants. Abnormal gastric passage caused by atopic pancreatic tissue. Acta paediat. acad. sci. Hung. 2 no.2:159-164 '61.

1. I. Kinderklinik und II. Pathologisch-anatomisches Institut der
Medizinischen Universität Budapest.
(STOMACH dis) (PANCREAS abnorm)

BALOGH, F.; PINTER, J.; CSONTAI, A.; TOTH, M.

On the problem of malignant degeneration of bladder tumors. Acta
chir. Acad. Sci. Hung. 3 no.2/3;117-120 '62.

1. Urologische Klinik (Direktor: Prof. Dr. A. Babics) der Medizinischen
Universitat Budapest.

(BLADDER neoplasms)

(CARCINOMA PAPILLARY)

HUNGARY

FRANG, Dezso, Dr, CSONTAI, Agoston, Dr; Medical University, Urological Clinic (Orvostudományi Egyetem, Urológiai Klinika), Budapest.

"Hypernephroma Not Connected with Kidney Tissue."

Budapest, Orvosi Hetilap, Vol 104, No 16, 21 Apr 63, pp 746-748.

Abstract: [Authors' Hungarian summary] A rare case of a retroperitoneal tumor, hypernephroma malignum, is described which simulates a case of kidney tumor. A brief literature review is given. The diagnostic difficulties connected with the syndrome and the most frequent false diagnoses are discussed. Of 18 references, 3 are Hungarian, the rest is Western.

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CSO: 2000-N

FRANG, Dezso, Dr, CSONTAI, Agoston, Dr; Medical University of Budapest, Urological Clinic, Budapest, Hungary, Dr, professor, academician)
APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050942
(Budapesti Orvostudományi Egyetem, Urológiai Klinika).

"Fistula in the Abdominal Wall, Caused by a Purulent Ureter Stump With Stone."

Budapest, Magyar Sebeszet, Vol XVI, No 4, Aug 1963, pages 267-270.

Abstract: [Authors' Hungarian summary] The authors report a case of fistula in the abdominal wall which was caused by a purulent ureter stump containing stones. It is stressed that pus in the urine after nephrectomy might be caused by inflammation of the ureter stump. Since changes in the remaining ureter are mostly caused by stone, stricture (specific or non-specific), megaloureter and vesico-ureteral reflux, or since nephrectomy was performed because of a fibroepithelial tumor in the kidney pelvis or ureter, the authors stress the often recommended principle that in such cases the ureter should be removed completely during nephrectomy. 11 Western, 4 Hungarian references.

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CSONTAI, Agoston, dr.; HAIMAI, Zsuzsa, dr.; JELLINEK, Harry, dr.

Some unusual developmental abnormalities of the heart detected in our autopsy material. Relation to other developmental abnormalities. Gyermekgyógyászat 14 no.9:271-277 S '63.

1. A Budapesti Orvostudományi Egyetem II sz. Kóronctani
Intezete (igazgató: Haranghy László dr. egy. tanár).
(HEART DEFECTS, CONGENITAL) (PHYSIOLOGY)
(ABNORMALITIES)

ROSDY, Erno, dr.; FRANG, Dezso, dr.; CSONTAI, Agoston, dr.

Significance of intratracheal anesthesia in urology. Magy. sebesz. 17 no.3:183-185 Je'64.

Anesthesia in instrumental interventions in the urinary bladder. Ibid.:189-192.

1. Budapesti Orvostudományi Egyetem Urológiai Klinika (Igazgató: Babics, Antal, dr.; egy. tanár, akadémikus) közleménye.

FRANG, Dezso, dr.; CSONTAI, Agoston, dr.

Ureteral stump suppuration causing fistula in the
abdominal wall. Magy. sebesz. 16 no. 4:267-270
Ag '63.

1. A Budapesti Orvostudományi Egyetem Urológiai Klinikájának
közleménye. Igazgató: Babics Antal dr. egy. tanár, akadémikus.
(ABDOMINAL WALL) (URINARY FISTULA) (URETER)

TOTH, J.; ROSDY, E.; CSONTAI, A.

Treatment of vesical extrophy. Acta chir. acad. sci. Hung. 5 no.4:
387-390 '64.

1. Department of Urology, University Medical School, Budapest.

HUNGARY

CSONTAI, Agoston, Dr, MAOASI, Peter, Dr; Medical University of Budapest, Urological Clinic (director: BABICS, Antal, Dr, prof., academician) (Budapesti Orvostudományi Egyetem, Urológiai Klinika).

"On Diseases of the Ureter Stump Following Nephrectomy."

Budapest, Magyar Sebeszet, Vol XIX, No 4, Aug 66, pages 254-260.

Abstract: [Authors' Hungarian summary] A summary of literature data is followed by a discussion of the cases of ureter stump diseases following nephrectomy which were encountered by the authors in 33 years of clinical patient material. The distribution of the cases is presented in a table and a few more interesting cases are discussed separately. In the authors' opinion, in the course of nephrectomy, one must attempt to remove the ureter as deeply as can be reached from the incision and complete ureterectomy must be performed if the kidney is removed in the presence of a tumor, tb, stricture of the lower section of the ureter, megaloureter or a reflux opening. In the presence of stubborn pyuria, subfebrility, mild or more pronounced pain after nephrectomy, the possibility of such changes in the ureter stump must be considered along with the other possibilities since we can relieve the patient from much suffering and lasting recovery can be achieved by removal of the stump. 2 Hungarian, 20 Western references.

HUNGARY

CSONTAI, Agoston, Dr, KADAR, Anna, Dr; Medical University of Budapest, Urological Clinic (director: BABICS, Antal, Dr, prof., academician) (Budapesti Orvostudományi Egyetem, Urológiai Klinika es II. Korbonctani Intezet).

"Metastatic Thyroid Adenoma Resembling Tumor of the Pyelum"

Budapest, Orvosi Hetilap, Vol 107, No 38, 18 Sep 66, pages 1812-1814.

Abstract: [Authors' Hungarian summary] A case of metastatic thyroid adenoma is described which manifested itself in symptoms of a tumor in the renal pelvis. Following discussion of the clinical course, the literature on the disease and the various views presented therein are discussed. A case similar to the one reported was not found in the available literature. 3 Hungarian, 17 Western references.

CORFARIU, O., dr.; CSONTOS, A., dr.

Changes in the catalase index in asthenic neurosis as related to prolonged treatment with glucose. Neurologia (Bucur) 10 no.1: 45-48 Ja-F*65.

1. Lucrare efectuata in Policlinica nr. 2, din Tirgu Mures.

CSONTH, J.

Incidence of criminal abortions during the past 10 years in the Kosice Gynecological Clinic and the effect of the Law 68/57 on the rate of abortions. Cesk. gynek. 27/41 no.8:570-576 '62.

1. Gyn.-por. klin. Lek. fak. UPJS v Kosiciach, prednosta prof. dr.
T. Schwarz.

(ABORTION CRIMINAL)

(LEGISLATION MEDICAL)

CSONTI, F.

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4 (49 H/2)

Light absorption of the metal complexes of bis(salicylaldehyde)ethylenediamine and bis(acetylacetonate)ethylenediamine. József Császár and Ferenc Csontli (Tudományegyetem Általános Fiz.-Kém. Intézete, Szeged, Hung.). *Magyar Kém. Folyóirat* 65, 240-3 (1959).—The Cu^{++} , Ni^{++} , Pd^{++} , Cd^{++} , Cr^{+++} , Mn^{+++} , Fe^{+++} , and Co^{+++} complexes of bis(salicylaldehyde)ethylenediamine (I) and of bis(acetylacetonate)ethylenediamine (II) were prepd. by using published methods. Absorption spectra (210-2000 $\text{m}\mu$) were detd. with a Beckman DU spectrophotometer at room temp. by using 1, 5, and 10 ml. cuvettes, resp. EtOH (98%) was used as solvent and standard. The δ bands were evident in the spectra of Ni^{++} -II, Cu^{++} -II, and Cu^{++} -I in spite of the diamagnetic properties of the Ni^{++} -II. In Ni^{++} -I, Pd^{++} -II, and Pd^{++} -I the presence of covalent bonds was established. In the case of trivalent metal ions the curve is structureless assumedly owing to the overlapping of terms. The spectra of Cd^{++} complexes show appreciable variations in relation to concn.; this indicates decompn. through hydrolysis. Spectra are unchanged in alk. medium; this indicates that the complexes are stable in alkalies; however, they decomp. in acid medium equiv. to 0.1M HCl or stronger. L. G. Arvai

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CSASZAR, Jozsef; CSONTI, Ferenc

On the light absorption of bis-(salicylaldehyde)-ethylenediimine and bis-(acetylacetone)-ethylenediimine metal complexes. Magy kem folyoir 65 no. 6:240-244 Je '59.

1. Szegedi Tudományegyetem Általános és Fizikai-Kémiai Intézete.

CSONTOS, A., dr.

Some relationships between serum catalase activity and secretion of hydrochloric acid in the stomach. Med. intern. (Budap.) 16 no.11:1313-1318 N '64

Lucrare efectuata la Laboratorul Poliolinicii nr. 2 din Tirgu Mures.